

space within the bulb which is at least partially enclosed by the filament, and

an electrical heating device for heating the filament whereby the filament can be heated to cause the emission of visible light and heat radiation, said heating device including an incandescent heating element positioned within said space for indirectly heating the filament.

26. (New) The light source of Claim 25 wherein said heating device further includes a pair of electrical contacts which are electrically connected to said heating element.

27. (New) The light source of Claim 25 wherein said filament is in the form of at least a portion of a cylindrical jacket.

*No* 28. (New) The light source of Claim 27 wherein the at least a portion of a cylindrical jacket includes a lengthwise extending opening.

29. (New) The light source of Claim 27 wherein the at least a portion of a cylindrical jacket extends for at least 180° when viewed in plan and defines a diameter which is only slightly smaller than a diameter defined by the bulb.

30. (New) The light source of Claim 25 wherein the bulb defines a longitudinal axis, with the filament being configured to define a coaxial center axis.

31. (New) The light source of Claim 25 wherein the bulb defines a longitudinal axis and wherein the heating element is in the form of a helical coil which is disposed coaxially along the longitudinal axis.

32. (New) The light source of Claim 25 wherein the filament comprises a sintered metal selected from the group

consisting of tungsten, rhenium, tantalum, zirconium, niobium, and mixtures thereof.

33. (New) The light source of Claim 25 wherein the filament includes a nonmetal.

34. (New) The light source of Claim 25 wherein the filament comprises a metal selected from the group consisting of tantalum carbide, rhenium carbide, niobium carbide, zirconium carbide and mixtures thereof.

35. (New) The light source of Claim 25 wherein the heating element essentially comprises tungsten.

36. (New) The light source of Claim 25 wherein the bulb includes an inner surface which includes a mirror coating.

37. (New) The light source of Claim 36 wherein the mirror coating comprises a dielectric multilayer coating.

38. (New) The light source of Claim 37 wherein the dielectric multilayer coating is spectrally selective so as to substantially reflect the heat radiation emitted by the filament while substantially transmitting the emitted visible light.

39. (New) The light source of Claim 25 wherein the bulb is at least partially filled with an inert gas and/or a halogen gas.

40. (New) The light source of Claim 25 wherein the bulb is at least partially filled with a halogen gas which contains bromine and/or iodine.

41. (New) The light source of Claim 25 wherein the filament and/or the heating element are coated with a coating

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material which has a higher melt temperature than the material upon which it is coated.

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42. (New) The light source of Claim 41 wherein the coating material includes a carbide selected from the group consisting of tantalum carbide, rhenium carbide, niobium carbide, zirconium carbide, and mixtures thereof.

43. (New) The light source of Claim 25 wherein said heating device further comprises an electrical circuit connecting the filament and the heating element in series.